

## **DEVELOPMENT OF POLYTECHNICAL EDUCATION ON THE TERRITORY OF MODERN UKRAINE**

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The modern economy of Ukraine absolutely needs highly skilled personnel. The developed system of training specialists in the technical fields of knowledge is a guarantee of the welfare of the nation. The existing technical institutions of higher education have already proved their competitiveness more than once.

The first technical institution in the territory of modern Ukraine was created in 1844 in Lviv. It was the Tsisar-Royal Technical Academy. The location near the Castle Square, next to the famous cultural institutions of Lviv (University Library, the city library of the Skarbek Theater, the school library of the Academic Gymnasium), gave students the opportunity to use them as effectively as possible. Technical Academy, and now its full successor – National University "Lviv Polytechnic", became the center of the best teaching practices.

Lviv Polytechnic during the process of formation and development started the creation of 14 leading technical universities both in Europe and in Ukraine. In particular, Wroclaw, Silesia, Krakow, Gdansk and Warsaw Polytechnics were established in Poland, and the Ukrainian Technical and Economic Institute in Munich was established in Germany.

In the east of Ukraine the first technical institute became the Kharkiv Practical Technological Institute, founded in 1885. It should be noted that from the very beginning it was a higher technical educational institution, for the opening of which the public of all neighbouring provinces was waiting. During its history, NTU "KhPI" became the base for three universities of Kharkiv and four in other cities of Ukraine. In 1898 a similar institute was opened in Kyiv. As is the case with other higher technical educational establishments, during the existence of NTUU "KPI", Construction, Sugar industry, Aviation and Agricultural institutes were founded on the basis of separate faculties.

Today, despite a rather branched system of technical institutions which existing in Ukraine, there is a significant decrease in demand among young people. There is necessary in radical changes in the format of technical disciplines teaching, strengthening the knowledge by practical skills. There is necessary technical and material support of higher education. We must learn from the lessons of history and maybe return to the origins, when the engineer's profession was worthy, opened up prospects for career growth and stimulated the development of the economy as a whole.